



NAVAIR Lakehurst SNT BRIEF



***Ready. Resourceful.
Responsive!***

**LCDR Matt Mullins
NAVSUP 4B1I
19 SEP 2002**

- Overview
- NAVSUP/NAVAIR Implementation
- Demonstrations
- System Status - Web Site Examples
- SIM/SNT Parallel Goals
- Contract Language - Package/Product
- SNT Implemented in Legacy System
- SNT Initiatives / Future
- Summary

Definition: *Closed-loop, cradle-to-grave tracking maintenance critical, serialized **components**, providing asset visibility and material status, and enabled by automatic identification technology*

Major Benefits:

Maintenance

- Identify Maintenance Deficiencies
- Accurately Measure Reliability
- Accurate Record Configuration
- Identify Latent Defects
- Determine Training Requirements
- Assist Engineering Investigations

Supply

- Assess Repair Turn Around Time
- Decrease Misidentification and Loss
- Warranty Management
- Predict Parts Requirements
- Better Procurement Decisions
- Measure Reliability
- Achieve Total Asset Visibility

Aviation Asset/Information Flow

Overview

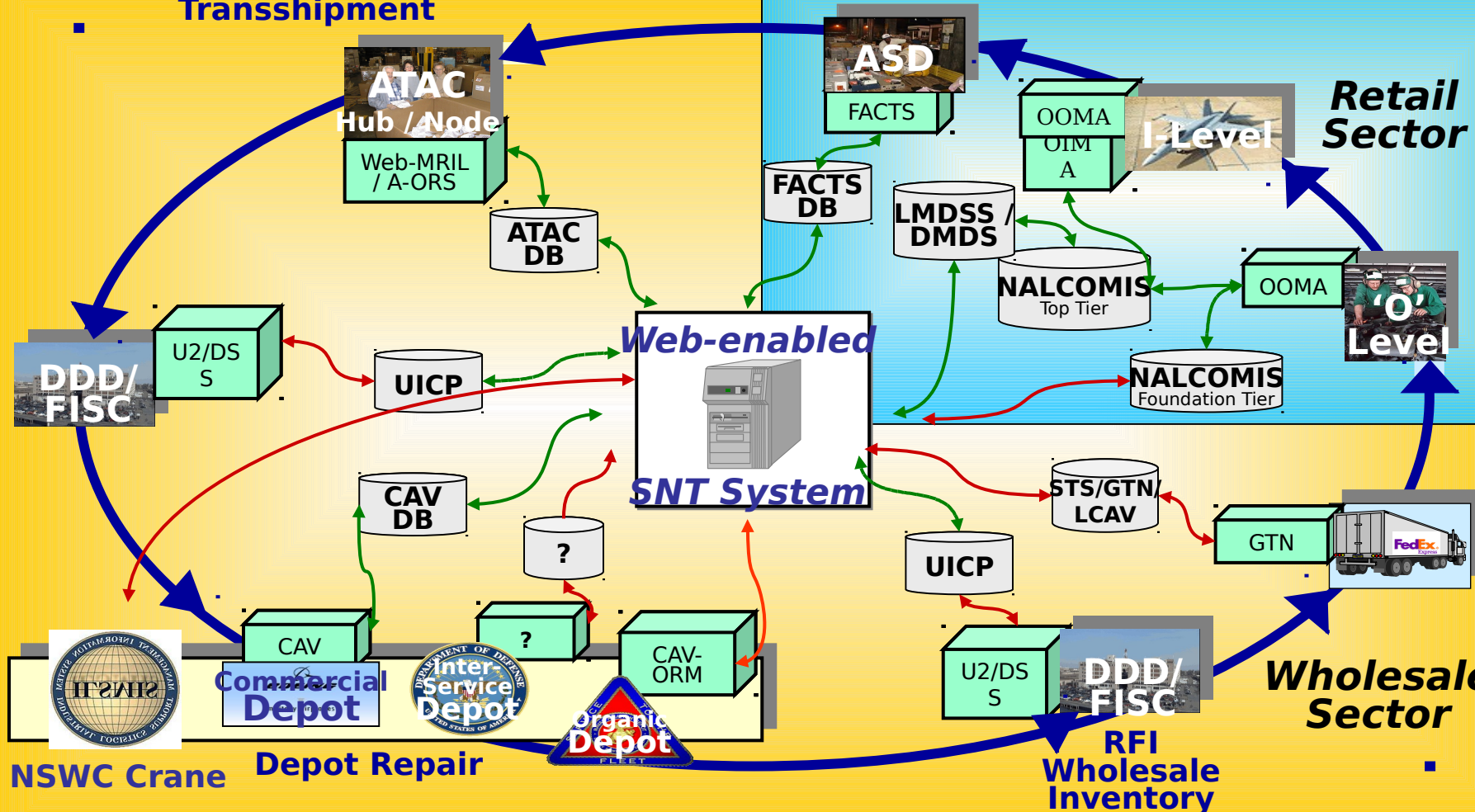
Information Systems

**Carcass Screening
Transshipment**

Carcass Shipment

**Retail
Sector**

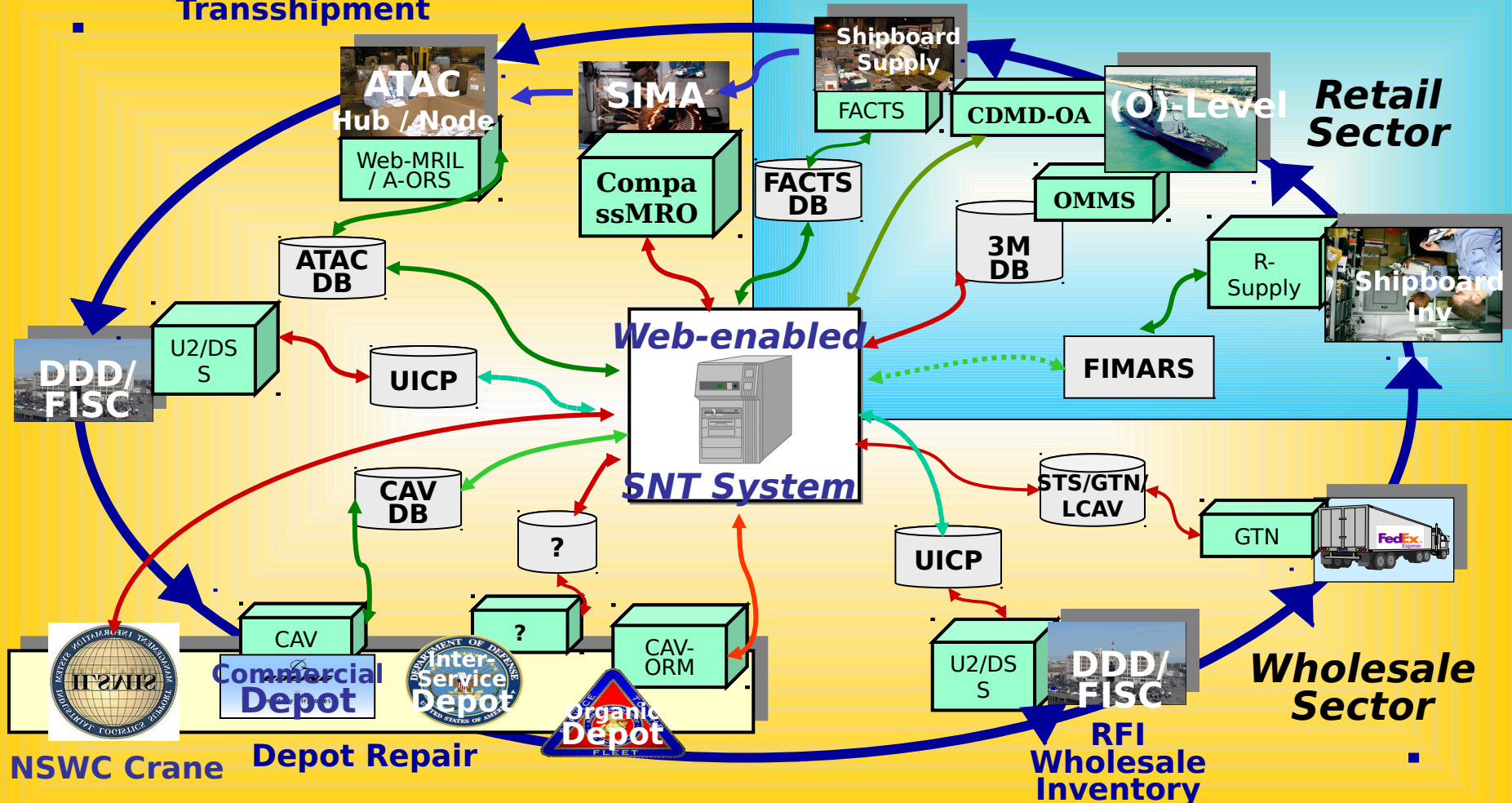
**Wholesale
Sector**



Information Systems

Carcass Screening Transshipment

Carcass Shipment



NSWC Crane

Depot Repair

Organic Depot

Wholesale Inventory

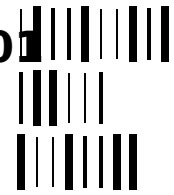
Wholesale Sector



NAVAL SUPPLY SYSTEMS
COMMAND

CMB/Bar Code

P/N 50-100-01
S/N 0152
MFR K0656



Overview

W

Nameplate Data

Computer, Air Data CPU-175/A

P/N 50-100-01

SERNO 0152

MFR K0656

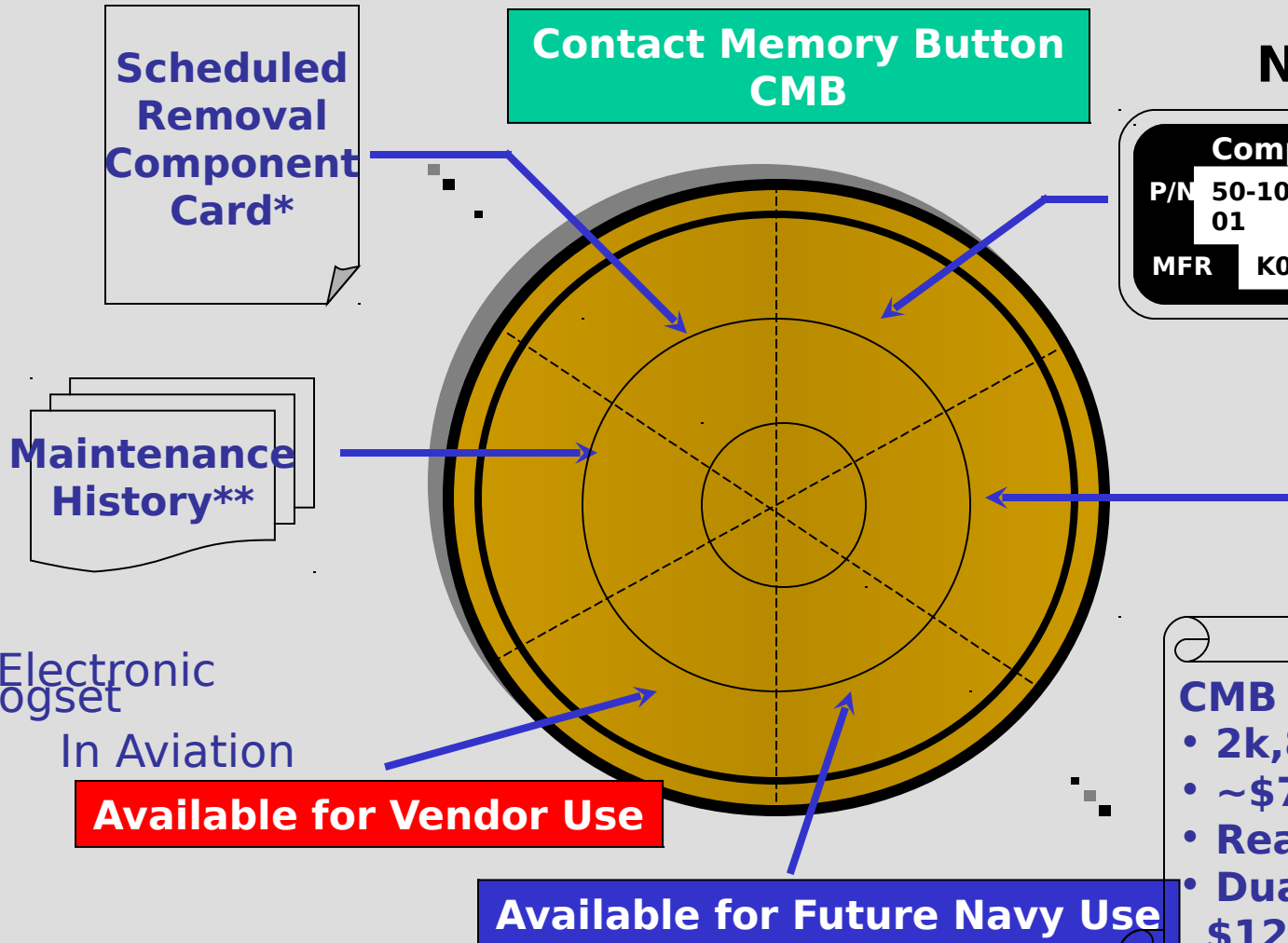
CONTR

F33657-85C-0025

Warranty
Data

CMB Stats:

- 2k,8k,32k
- ~\$7-\$13 each
- Read/Write
- Dual CMB/BC Reader \$1200



Contact Memory Button
CMB

Scheduled
Removal
Component
Card*

Maintenance
History**

*Electronic
Logset
In Aviation

Available for Vendor Use

Available for Future Navy Use

**Use TBD within aviation maintenance

SUPPLY - AVIATION

5 Year Plan

Implementation

**Total # of
Items marked
1,267,091**

**SNT Implementation
Cost = \$58,211,346**

T/M/S	Total Number Aircraft	Components per Aircraft	Total Number of Components (W/ 25% spares)	Total CMB Cost	Contractor Installation Cost	Total Engineering Document Cost	Total AIT Cost
MH-53E	46	170	9,775	\$152,783.25	\$272,412.00	\$136,000.00	\$605,932.55
CH-53E	164	170	34,850	\$544,705.50	\$817,236.00	\$136,000.00	\$1,597,820.10
CH-53D	44	104	5,720	\$89,403.60	\$272,412.00	\$83,200.00	\$486,995.50
AH-60	342	300	128,250	\$2,004,547.50	\$3,268,944.00	\$240,000.00	\$5,665,423.90
UH-60	111	400	55,500	\$867,465.00	\$708,271.20	\$320,000.00	\$1,712,510.96
F6A/B	5	469	9,380	\$146,609.40	\$163,447.20	\$375,200.00	\$1,706,510.96
F-16	194	196	47,530	\$742,893.90	\$898,959.60	\$156,800.00	\$1,757,972.50
F-16B/EIN	126	132	20,790	\$324,947.70	\$599,306.40	\$105,600.00	\$1,024,189.96
F-16E	130	70	20,125	\$314,553.75	\$926,200.80	\$56,000.00	\$1,383,946.57
CH-53E	79	70	6,913	\$108,042.38	\$435,859.20	\$56,000.00	\$609,546.56
EA-6B	124	144	22,320	\$348,861.60	\$1,035,165.60	\$115,200.00	\$1,659,147.94
MV/CV/HV-2	458	203	116,218	\$1,816,479.53	\$3,922,732.80	\$162,400.00	\$6,254,890.39
AV-8	72	921	198,015	\$3,094,974.45	\$871,718.40	\$736,800.00	\$4,899,087.53
F-14A/B/D	193	200	48,250	\$754,147.50	\$871,718.40	\$160,000.00	\$1,940,564.86
P-3's	254	75	24,750	\$386,842.50	\$1,797,919.20	\$60,000.00	\$2,452,987.68
Cargo	295	175	64,531	\$1,008,623.44	\$2,724,120.00	\$140,000.00	\$4,297,527.69
Trainers	515	129	83,044	\$1,297,973.81	\$817,236.00	\$103,200.00	\$2,399,150.46
E-2C	75	145	13,594	\$212,470.31	\$1,525,507.20	\$116,000.00	\$1,969,874.10
C-2A	38	145	6,888	\$107,651.63	\$217,929.60	\$116,000.00	\$461,500.85
F-18ABCD	745	200	186,250	\$2,911,087.50	\$4,794,451.20	\$160,000.00	\$8,327,383.34
F-18EF	548	240	164,400	\$2,569,572.00	\$2,179,296.00	\$192,000.00	\$5,206,021.20
Misc Support							\$2,805,000.00
Total			1,267,091	\$19,804,636.24	\$29,120,842.80	\$3,726,400.00	\$58,211,345.83



H-60/HSL-40:

- ⇒ Demonstrate O-OMA AIT interfaces
- ⇒ Squadron hardware requirements/data
- ⇒ Track 25 marked components
- ⇒ Demo completed June 2000



SCADC

- ⇒ SNT included in PBL Contract
- ⇒ Loading of Serial Number into CAV
- ⇒ BAE Assistance



SNT Functionality in
Commercial Depot



SQQ-32 SONAR:

- ⇒ Ships selected: MCM's/MHC's
- ⇒ 13 Components Marked
- ⇒ Keyport/Ingleside/Raytheon/Shipboard
- ⇒ Objective: Retrograde Tracking

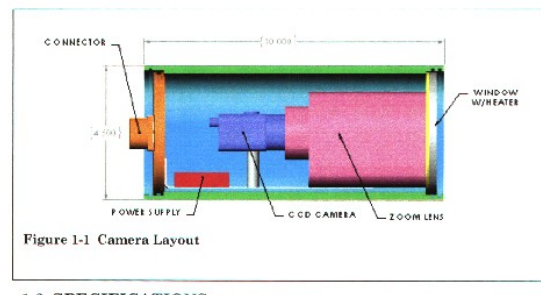


HOSS Camera (AN/SXY-1):

- ⇒ NAVICP LECP
- ⇒ Contract Language and Drawing includes CMB
- ⇒ SNT in New Production Environment
- ⇒ Delivery of first cameras: NOV 20



CAMS II A5 MODULE on SUBMARINE





www.snt.navsup.navy.mil
New Homepage



NAVAL SUPPLY SYSTEMS
COMMAND

System
Status

SNT HomePage - Netscape
File Edit View Go Communicator Help

UNITED STATES NAVY SERIAL NUMBER
SNT TRACKING

Welcome to SNTS!

SNTS LOGIN

- Documents
- Automatic Identification Technology
- Registration
- Other Links
- Contact Us
- Calendar
- What's New
- Home

READ THIS:
DoD Security Notice

Welcome to the US Navy Serial Number Tracking System

This system provides the ability to track individual repairable weapons system components by serial number. This is in addition to the existing process of tracking by NSN, part number, or work unit code.

This level of visibility is invaluable for managing warranties, tracking reliability, isolating ILS deficiencies and locating individual assets everywhere in the world. This system was developed in response to the Aviation Maintenance - Supply Review which determined that serial number tracking is a necessary requirement to accurately assess declines in Naval Aviation readiness.

The system was developed by a team of experts from NAVSUP, NAVICP, NAVAIR, NAVSEA, SPAWAR, and FMSO.

Start Lotus Notes SNT HomePage - Net... SNT HomePage : http://w... 11:28 AM

Generate, Collect & Analyze Maintenance Data

SNT Existing Reports

Serial Number Tracking System (SNTS) \ Decision Support System (DSS) \ Maintenance \ Highest Failure - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

Bookmarks Netsite: http://www.snt.navsup.navy.mil/dss/maintenance/reports/highest_failure/default.html What's Related

Internet Lookup NewsCool

UNITED STATES NAVY SERIAL NUMBER TRACKING

Highest Failure Report

Queries Decision Support Administration User Options Help Feedback Log Out

User Path: Decision Support System > Maintenance > Highest Failure Report

Part Number	Cage Code	Cage Name	Serial Number	Total Failure
1	65901-02000-048	78286	SIKORSKY AIRCRAFT CORP	157
2	65901-02000-048	78286	SIKORSKY AIRCRAFT CORP	896
3	65901-02000-048	78286	SIKORSKY AIRCRAFT CORP	268
4	65901-02000-048	78286	SIKORSKY AIRCRAFT CORP	293
5	65901-02000-048	78286	SIKORSKY AIRCRAFT CORP	92
6	65901-02000-048	78286	SIKORSKY AIRCRAFT CORP	S-92
7	65901-02000-048	78286	SIKORSKY AIRCRAFT CORP	

Document: Done

You have new mail

Start Supply Chain L Screen Shot Serial Num... Microsoft Pow... Netscape

Serial Number Tracking System (SNTS) \ Decision Support System (DSS) \ Maintenance \ Highest Cannib - Netscape

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Bookmarks Netsite: http://www.snt.navsup.navy.mil/dss/maintenance/reports/highest_cannibalization/default.html What's Related

Internet Lookup NewsCool

UNITED STATES NAVY SERIAL NUMBER TRACKING

Highest Cannibalization Report

Queries Decision Support Administration User Options Help Feedback Log Out

User Path: Decision Support System > Maintenance > Highest Cannibalization Report

Serial Number Detail

Part Number: 65901-02000-048

Cage Code: 78286

Cage Name: SIKORSKY AIRCRAFT CORP

Serial Number: 17

Total Cannibalizations: 14

Part Number	Cage Code	Cage Name	Total Cannibalizations
1	65901-02000-048	78286	SIKORSKY AIRCRAFT CORP
2	65901-02000-048	78286	SIKORSKY AIRCRAFT CORP

Document: Done

Start Supply Chain L Screen Shot Serial Num... Microsoft Pow... Netscape

Serial Number Tracking System (SNTS) \ Decision Support System (DSS) \ Maintenance \ Highest BCM Rep - Netscape

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Internet Lookup NewsCool

UNITED STATES NAVY SERIAL NUMBER TRACKING

Highest BCM Report

Queries Decision Support Administration User Options Help Feedback Log Out

User Path: Decision Support System > Maintenance > Highest BCM Report

Part Number	CAGE Code	CAGE Name	Serial Number	Total Level BCM
1	134338-02-01	36351	SMITHS INDUSTRIES INC	000
2	134338-02-01	36351	SMITHS INDUSTRIES INC	2660
3	134338-02-01	36351	SMITHS INDUSTRIES INC	1062217
4	134338-02-01	36351	SMITHS INDUSTRIES INC	482
5	134338-02-01	36351	SMITHS INDUSTRIES INC	1234
6	134338-02-01	36351	SMITHS INDUSTRIES INC	9161

Document: Done

Start Supply Chain L Screen Shot Serial Num... Microsoft Pow... Netscape

SNT WEB PAGE QUERY RESULTS

SNTS \ Asset Visibility \ Retrograde - Microsoft Internet Explorer

System Status

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Print Full Screen

Address <https://www.snt.navsup.navy.mil/queries/AssetVisibility/Retrograde/default.shtml> Go



Retrograde

Queries | Decision Support | Administration | User Options | Help | Feedback | Log Out
Asset Visibility | Aviation Engineering | Aviation Maintenance | Inventory | Shipboard Engineering | Shipboard Maintenance | Warra

Search Criteria

Serial Number:

Document Number:

UIC:

NIIN:

Lead TCN:

Printer Friendly Version

	Leg 1	Leg 2
Document Number	R3283A2122G612	R3283A2122G612
NIIN	014406604	014406604
Serial Number	DVP0079	
Quantity	1	1
Condition Code	F	F
Shipped From	R3283A Navy Support Facility Diego Garcia	N3054B ATAC AGENT YOKOTA AIR BASE
Date Shipped	07-May-2002	22-May-2002
LTCN	R3283A2122G612XXX	R3283A2119D306XXX
Transportation Mode	F - Air, Air Mobility Command	F - Air, Air Mobility Command
Ship To	N62649	



Internet

SIM / SNT Parallel Goals



Complements

- SUPER REG
- SIM Directive
- PDC 83

DRID 54

Optimize Logistics Processes to Minimize Customer Wait Time (CWT) using Variance Based Metrics

Customer Confidence In a Simplified Priority System With Time Definite Delivery

Total Asset Visibility Through Use of AIT, Shared Data Environment and Other Applications

Real-Time, Actionable, Web-Based Logistics Information Systems

FY02

FY02

FY04

FY04



Contract Language

All Unit packs will consist of a 2D PDF-417 bar code label. Labels shall contain the following information: CAGE, Part Number, Serial Number, NSN, Contract Number, Nomenclature, Unit of Issue and Quantity. Labels shall be applied in accordance with the requirements of MIL-STD-129M, paragraph 4.5.2.2.



NAVAL SUPPLY SYSTEMS
COMMAND

Contracts



Contract Changes

Package marking

Invoices



PDF417 2D

Cage: 02059
PN:102770-351
Ser: 6694
NSN 7025011415888
CONT: N00104-98-T-0023
Name: Magnetic Tape
U/I: EA
QTY: 1

DD FORM 1348-1A, NOV 87 ISSUE RELEASE/RECEIPT DOCUMENT

1. TOTAL PRICE										2. SHIP FROM										3. SHIP TO																																							
UNIT PRICE										DOLLARS										CTS																																							
DOLLARS CTS										N975 12										N63196																																							
4. MARK FL										NSC 514 11										CA																																							
5. DOC DATE										6. NMFO										7. PART RATE										8. TIME										9. PS																			
01346																																																											
10. QTY RECD										11. UN										12. UNIT WEIGHT										13. UNIT CUBE										14. UFC										15. SL									
16. FREIGHT CLASSIFICATION NOMENCLATURE																																																											
17. ITEM NOMENCLATURE										VALVE ASSY																																																	
18. TY CONT										19. NO CONT										20. TOTAL WEIGHT										TOTAL CUBE																													
21. RECEIVED BY																				DATE RECEIVED																																							

QGT EA 00611 A 5541100

0027

Ser Nr.

URGENT

*** SARGENT *** Ref-No -->M01085/20193-014
CAV RETURN FROM REPAIR. RECEIVING ACTIVITIES PROCESS AS D6K RECEIPT.
A CONDITION STOCK.

REMARKS: SBR # 0027 CASREPT

DD FORM 1348-1A, NOV 87 ISSUE RELEASE/RECEIPT DOCUMENT

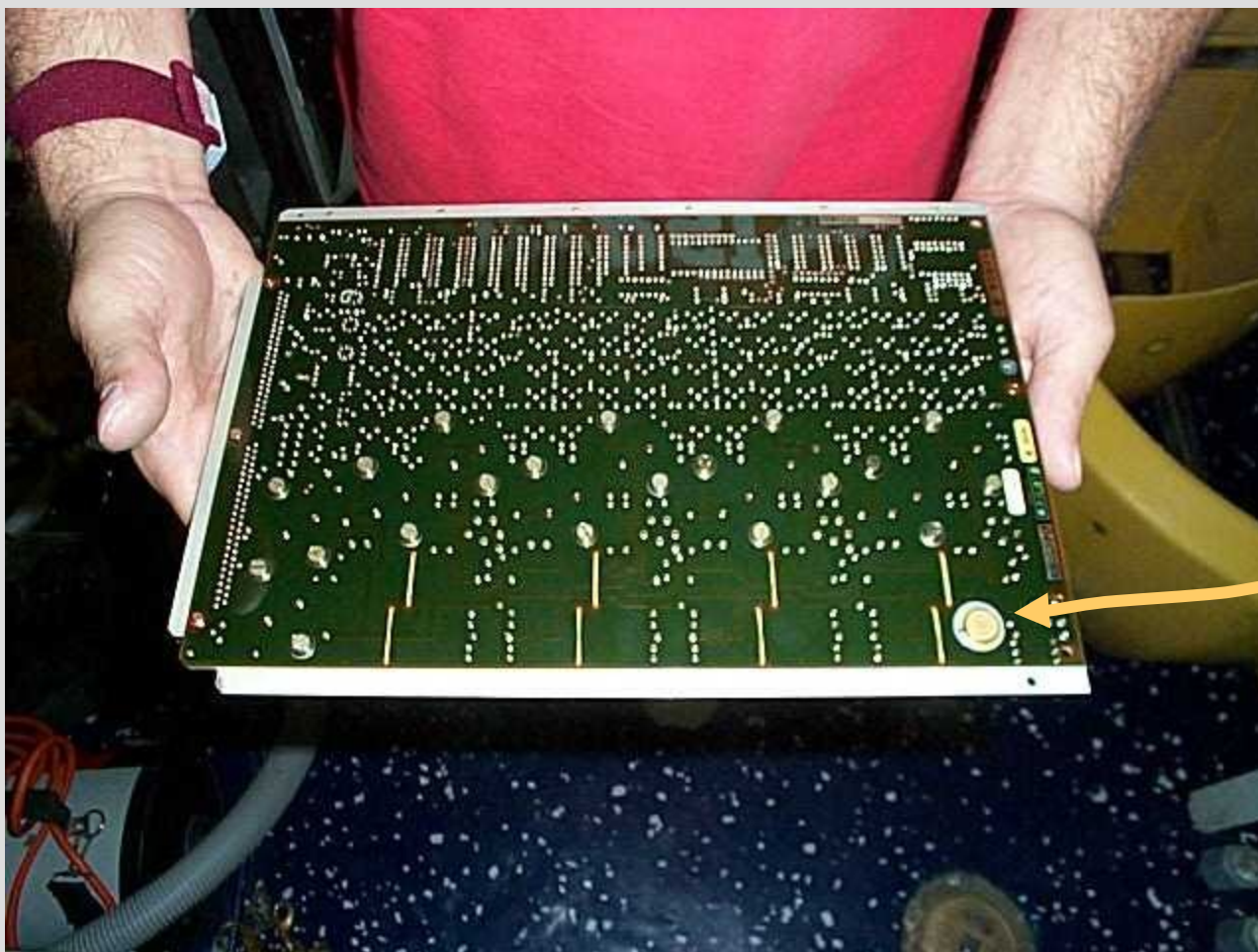
OPTIONAL FORM 98 (7-90)

FAX TRANSMITTAL

of pages = /

Product Marking

Product Marking



CMB



Retrograde from Customer



NAVAL SUPPLY SYSTEMS
COMMAND

Legacy - Facts

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100									
DC1 PHZ 0 EA 00001 N68620 K00 7R CL4 13 B AFE									
1. TOTAL PRICE									
2. SHIP FROM									
3. SHIP TO									
4. MARK FOR									
5. DOC DATE									
6. NMPC									
7. FRT RATE									
8. TYPE CARGO									
9. PS									
10. QTY RECD									
11. UP									
12. UNIT WEIGHT									
13. UNIT CUBE									
14. URPC									
15. SL									
16. FREIGHT CLASSIFICATION NOMENCLATURE									
17. ITEM NOMENCLATURE									
18. TY CONT									
19. NO CONT									
20. TOTAL WEIGHT									
21. TOTAL CUBE									
22. RECEIVED BY									
23. DATE RECEIVED									

24. DOCUMENT NUMBER
4 SUPPLY (30-44)

25. NATIONAL STOCK NO & 250 (30-22)

26. RC (4-8)
LI (20-24)
QTY (25-29)
CON (30-34)
DTI
DOT (35-39)
UP (40-44)

27. ADDITIONAL DATA

28. SECURITY CODE U

29. MAILABLE CAND RMN IN PLACE
LEVEL SKED IRIM

30. SIGNATURE

31. CONTROL NUMBER

32. DATE

33. SERIAL NUMBER

34. DD FORM 1348-1A, NOV 87 ISSUE RELEASE/RECEIPT DOCUMENT



Retrograde to DD



NAVAL SUPPLY SYSTEMS
COMMAND

Legacy - ATAC

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																												
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34. DOCUMENT NUMBER & SUFFIX (30-44)										N471112017G342										36. NATIONAL STOCK NO & ADD (3-22)										4810 001067401 BP										24. REC (4-8)										25. SEC (4-8)										26. QTY (21-25)										27. CON (20-25)										28. DPT (20-25)										29. UP (14-25)										30. ADDITIONAL DATA										31. SECURITY CODE U										32. RMN IN PLACE										33. MAILABLE CAND										34. LEVEL SKED										35. IRIM										36. DDD										37. MCAS CHERRY POINT										38. CHERRY POINT, NC 28533										39. BLDG 147										30. SERIAL NUMBER										P546C										2GR4058										DD FORM 1348-1A, NOV 87										ISSUE RELEASE/RECEIPT DOCUMENT																																																																															

Serial Number

- **SMART Transportation Solution**
- **LCAV and other databases to access**
- **SNT Implementation steps submitted to NAVSEA (04153)**
- **Marking of Wholesale Stock (DD) items - work underway**
 - *Reporting of items in DD warehouse*

Wholesale System Reporting S/N

Future

Effective JAN 03
DSS Reports
SN of
Selected Items
For Receipts/
Issues

Web-enabled



SNT System

SNT WEB
Site
Accesses
Navy
Repository

Navy Repository

To Navy
Repository



- Program well underway
- NAVAIR Revised Implementation Plan in January 02
 - Parts marking by TMS underway
- SNTS Web Application on line
- SNT consistent with DRID 54, ERP, STS
- SNT: Supports DOD's SIM Initiative

Project Manager

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